RollPod Configurator

User guide

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Software Version Amendments

Manual Version 1.5 for Software Version 1.4 Onwards

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Introduction

The RollPod Configurator application is designed for use with the RollPod configurable control panel. This application provides the user with the ability to create RollPod configurations (and RollCall Templates) and to download the configuration files to a RollPod. This document describes the various features of the Configurator software application as well as how to configure both a single channel and a multi-channel configuration. The slightly simpler single channel example describes how to create a configuration for a number of different modules. The multi-channel example describes how to configure a RollPod to control several channels of identical modules.

Pre-install Requirements

- RollCall version 3.4 or later
- Sun™ Java runtime versions 1.3 or later
- Operating system: Windows XP, Windows 2000 (Service pack 3 or later), Windows NT (SP6a or later)
- IE5.5 or above
- Microsoft™ VB6 Runtime files

Note: In order for the RollPod Configurator to function correctly, the RollCall 3.4 Control Panel must have the setting *"configuration > system options > Auto Template Extraction "* checked.

Toolbar Functions

The following functions are available on the toolbar:

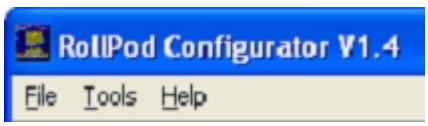
File New

File Open

Save

Generate files and write to RollPod

Menu Functions



The menu has the additional functions:

- File
- Tools
- Help

The **File Menu** Contains:

- New
- Open
- Extract Current Config from RollPod
- Save
- Save As
- Generate files & write to RollPod
- Download External RPML File
- Properties
- Recent File Listing
- Exit

The **Tools Menu** Contains:

Category Address Manager

The **Help Menu** Contains:

- Launch Manual
- Snell & Wilcox Website
- About

The About Box

This includes the application Version number as well as a message regarding copyright law.

File menu functions

File Menu

File -> New
Create new RPML configuration file

File -> Open
Open an existing configuration file

File -> Extract Current Configuration from RollPod
Upload Configuration Files from a RollPod

File -> Save / File -> Save As
Save RPML Configuration File

Generate Files and Write to RollPod
Compile RPML File and download configuration file to a RollPod

Download External RPML File
Download an existing configuration from Disk

Properties
Set Up Configuration Version.

Tools Menu

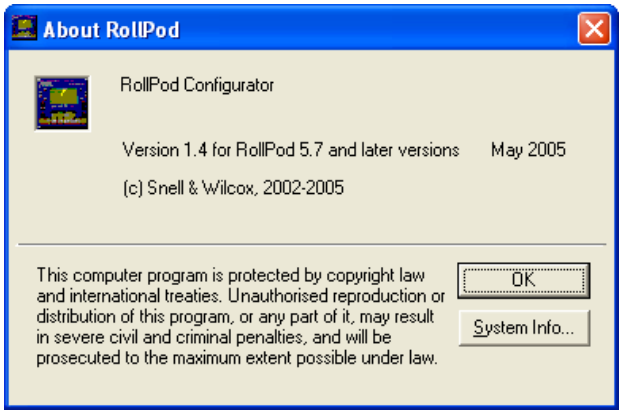
Tools -> Category Address Manager
Set up Category addresses for a multi-channel configurations

Help Menu

Help -> Launch Manual
Open this User Manual

Help -> Snell & Wilcox WebSite
Go to www.snellwilcox.com

Help -> About…
Open About box containing Version and copyright information



Open configuration File

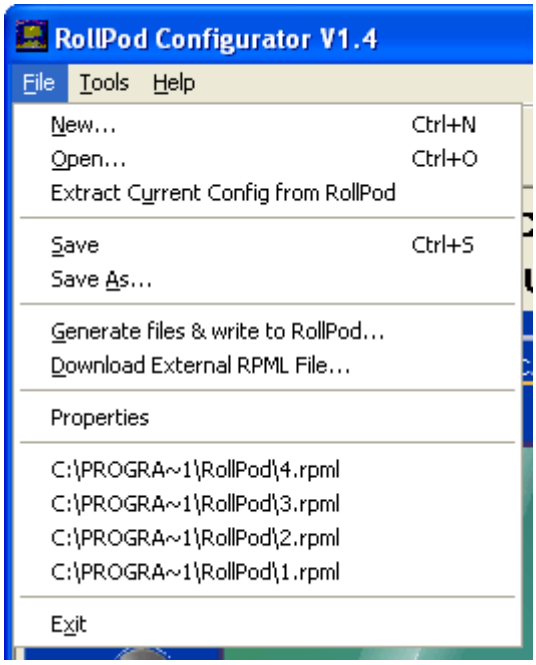
Found under File > Open . Allows the user to open a previously saved configuration file.

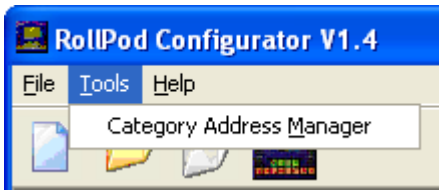
Extract Current Config from RollPod.

Found under File > Extract Current Config from RollPod. Upload a configuration file from a RollPod.

Download External RPML File

Found under File > Download External RPML File.





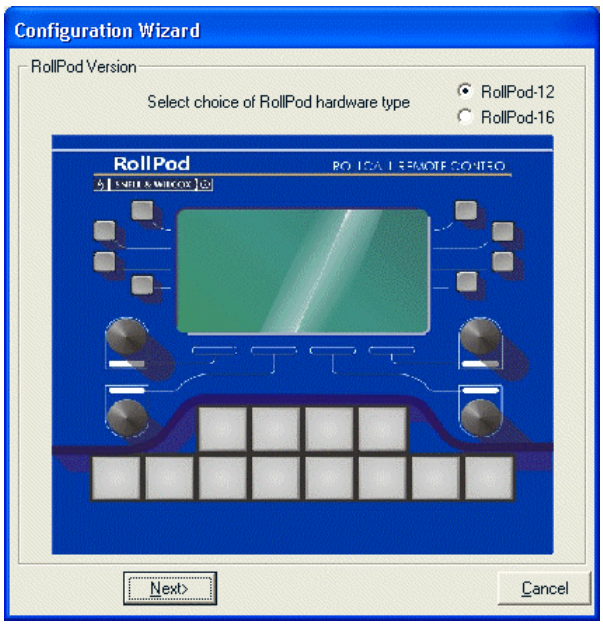
Creating a Standard Single Channel Configuration

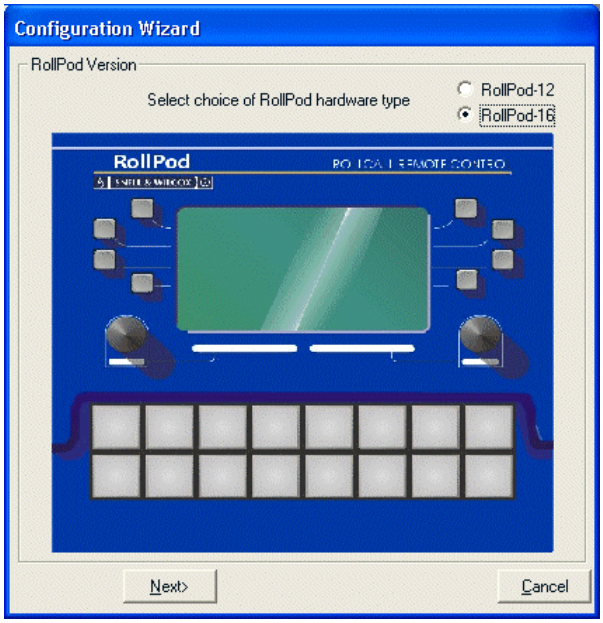
First select **File > New** either from the menu or the toolbar.

The Configuration Wizard window will appear. This will allow the hardware type to be selected.

Select the type of the RollPod hardware to which configuration will be downloaded using the radio buttons in the top right corner of the Configurator.

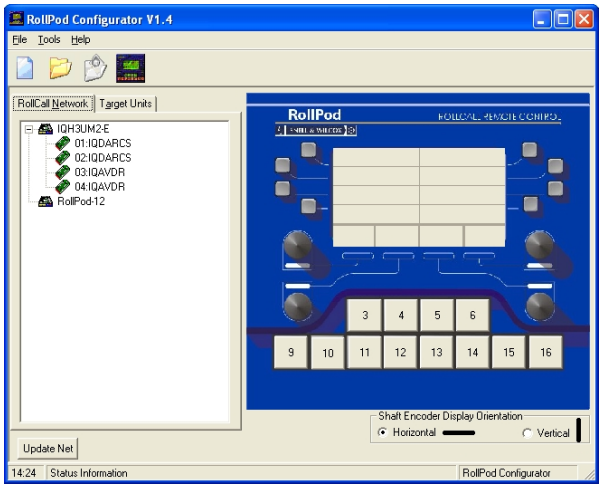
When completed, click **Next**.





A new window will then be displayed showing a tree view of the RollCall network and a RollPod.

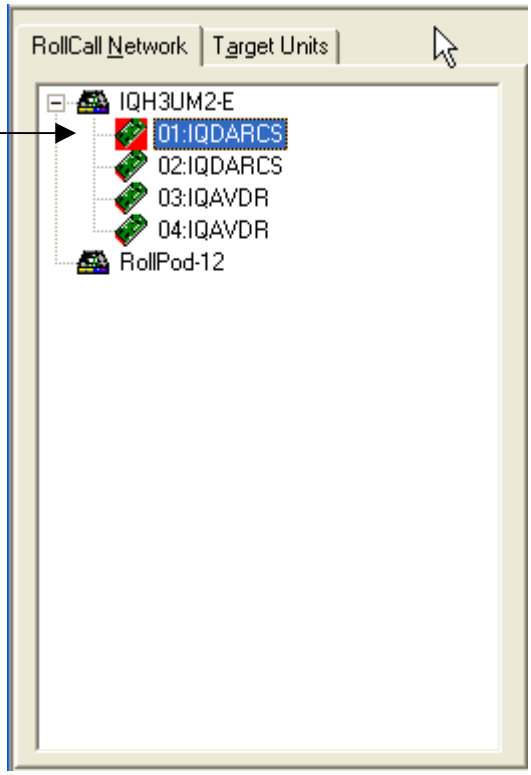
Please wait whilst the network is constructed. At any time in the future should you wish to update this click on the Update Net button.



The devices to be controlled may then be selected from the list.

Once the network is constructed any number of devices may be selected.

A single click will highlight the device in red to indicate that it has been selected.



After selecting all the devices to be controlled, click on the Target Units tab.

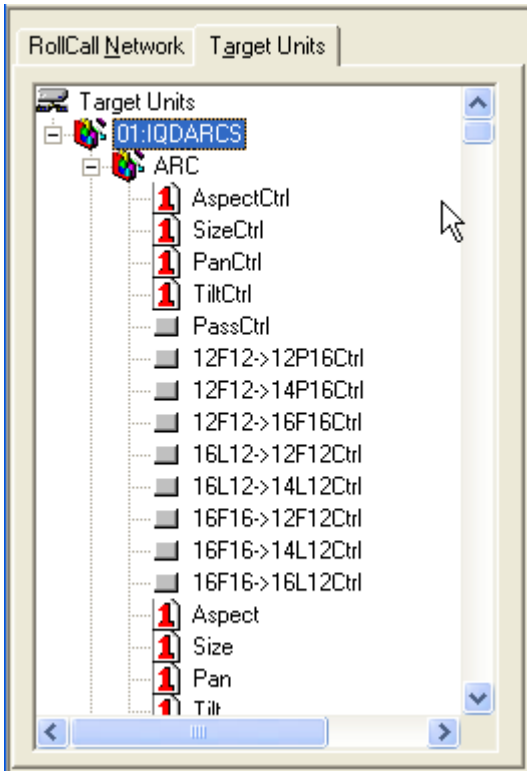
This will display a tree view showing the servers you selected.

Double clicking on one of the devices will load its Menu set. The mouse pointer will appear as an hourglass whilst the loading is completing.

Once loaded the menu set appears as nodes within the tree view.

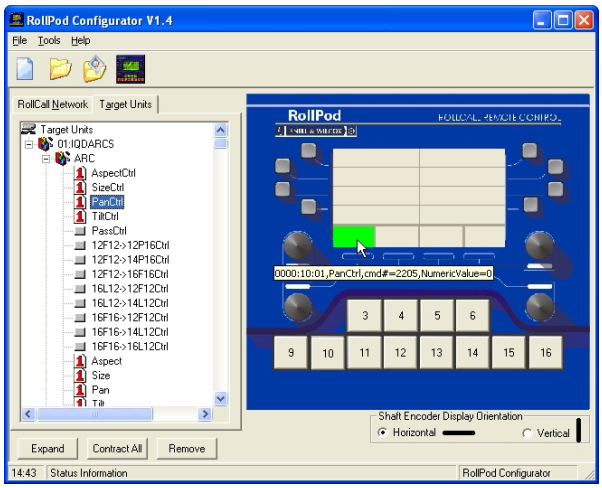
To assign one of the RollPods hardware controls to a menu item, simply drag the item from the “Target Unit” page and drop it onto the screen or button section of the RollPod display.

If the menu items style is compatible with the control it is dropped onto it will highlight in green.

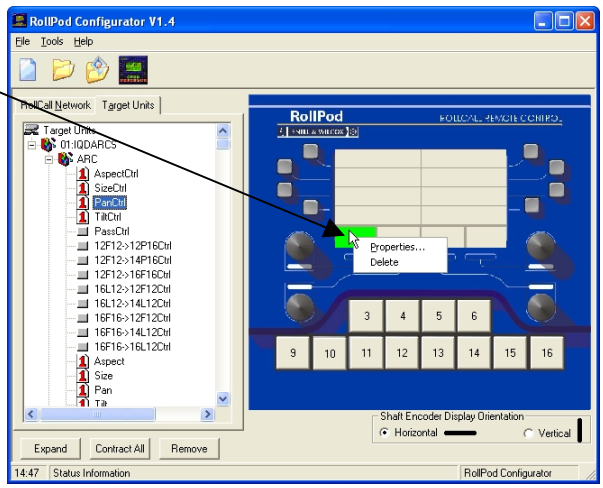


Holding the mouse pointer over the green area will display a pop up tooltip containing the address of the selected target unit and the description of the menu item as shown below.

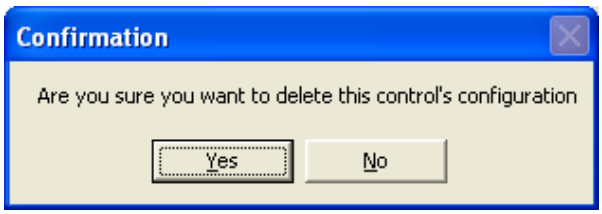
The example shows a scrollbar control being assigned to adjust a units Pan control. The orientation of the scrollbar which will be displayed on LCD screen can be set to horizontal or vertical using the “Shaft Encoder Display Orientation” radio buttons. The same can be repeated for other controls.



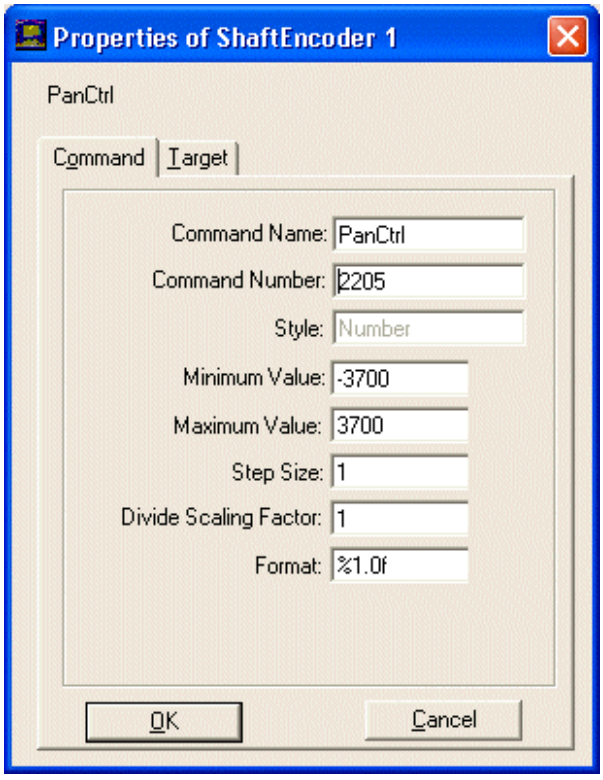
Right clicking the mouse over the green area will display a popup menu.



Selecting **Delete** will reveal a prompt screen with a confirmation window. This allows the configuration to be removed. Once a control has its configuration removed it will change from green to grey.



Selecting the "**Properties**" Menu item will show a new window.



The selected control will be colored red on the main screen.

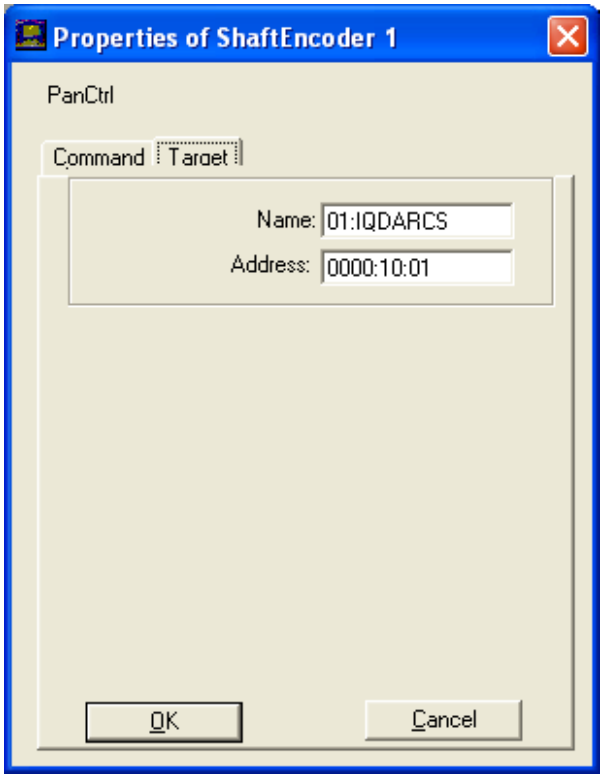
This window contains two tabs:

- Command, which shows the menu items parameters
- Target, which shows the name and address of the selected device.

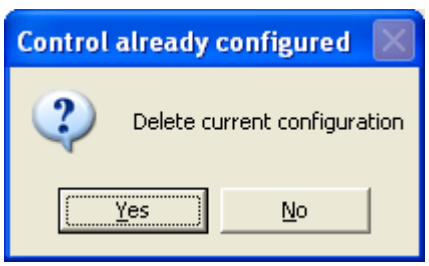
If required the contents of the properties may be amended.

Modifying the Command Name is recommended for controls assigned to soft buttons and shaft encoders, as this is the text shown on the RollPod display.

The target dialog box displays the unit name and the target RollCall address of the selected control.

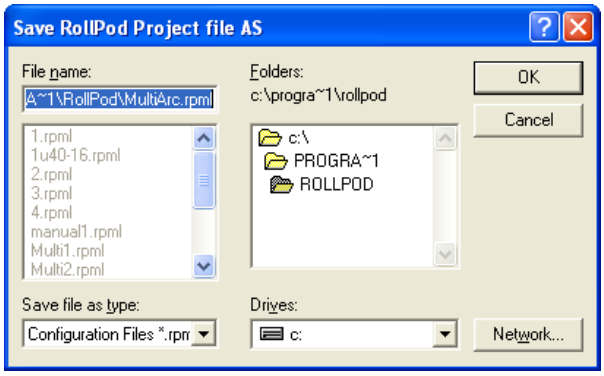


If a menu item is dragged and dropped over a RollPod control that has already been configured, a prompt screen will appear that will allow the current configuration to be deleted (overwritten).



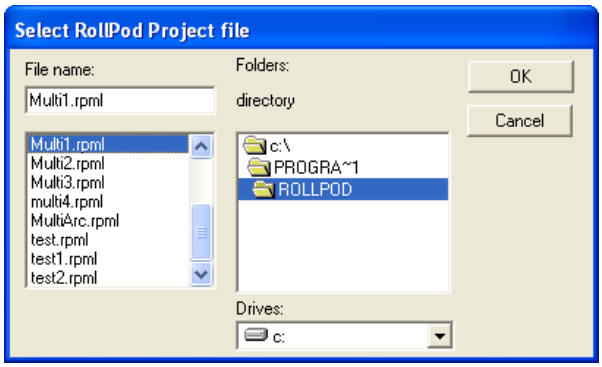
Saving a Project

Your RollPod configuration can be saved at any time by using either the “File > Save” and “File > Save as…” menu options, or by clicking on the Save icon in the toolbar.



Loading a Project

A previously saved project can be saved at any time by using the “File > Open…” menu option or by clicking on the Open… icon in the toolbar.



Setting the RollPod Menu Set Version

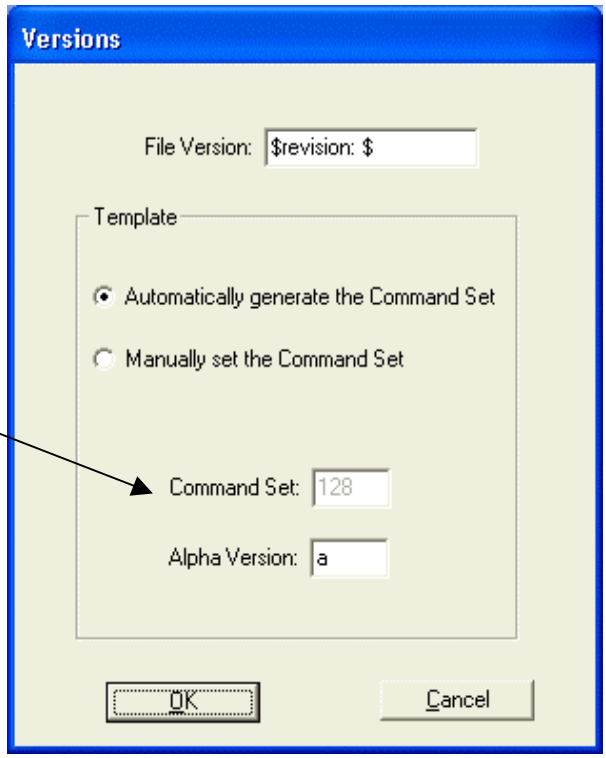
The RollPod Menu Set Version is set by using File > Properties.

Each RollPod programmed with a different configuration should be assigned a unique command set number.

This number can be any value between 1 – 255.

Note: the File Version and Alpha Version fields should not be modified unless instructed by Snell & Wilcox.

The RollPod Menu Set Version can be set either manually or automatically by the Configurator. This is selected using the radio buttons on the Versions dialog.



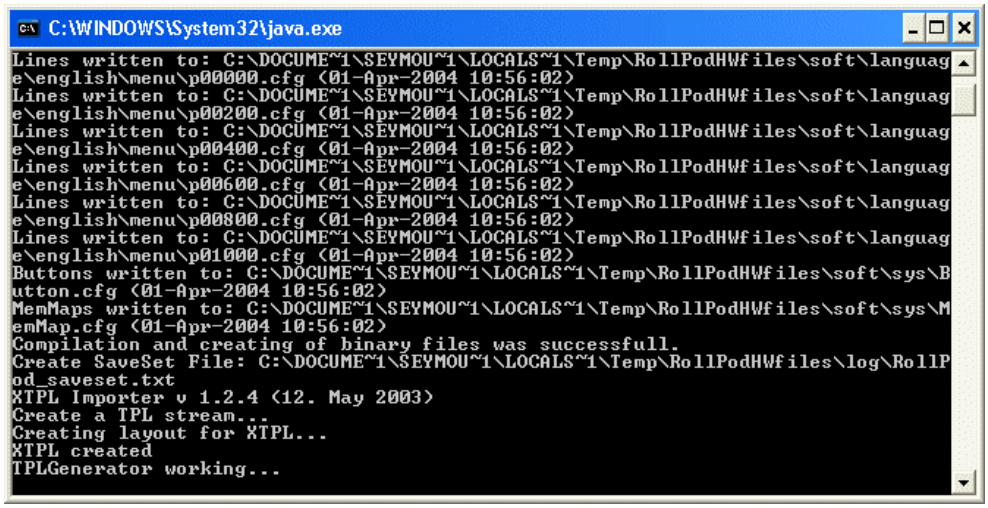
Compiling a configuration and programming a RollPod

Once the configuration has been completed it will be possible to save or load this configuration into a RollPod.

To load this configuration into a RollPod select File > Generate Files and Write to RollPod… or use the Icon below

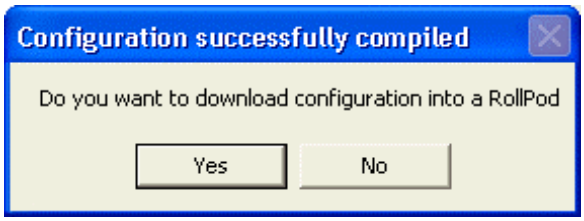
Clicking on the icon above will invoke the compiler and display the output window below.

This launches a compile process in a command window and then indicates whether compilation was successful. On successful compilation you will be offered to download the configuration to a RollPod.

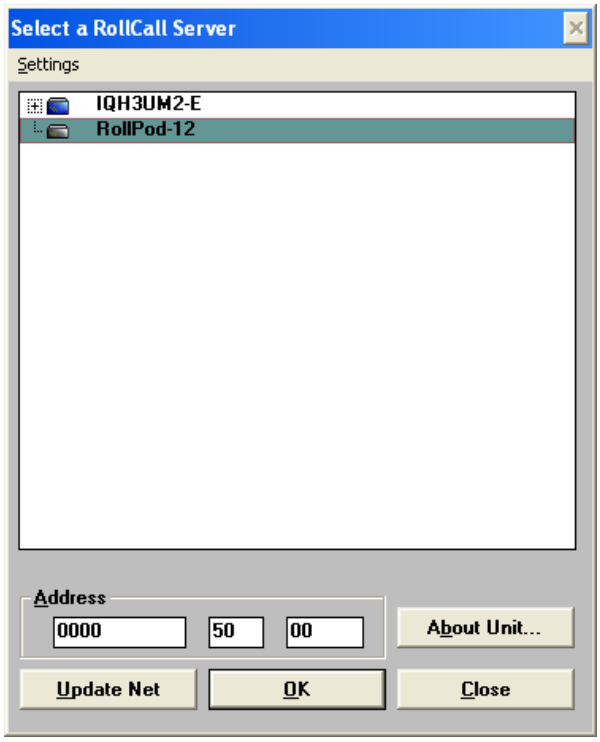


After compiling the configuration file the user will be asked if they want to download the new configuration to the RollPod

Selecting “Yes” allows you to browse the RollCall network for the pod to be programmed.

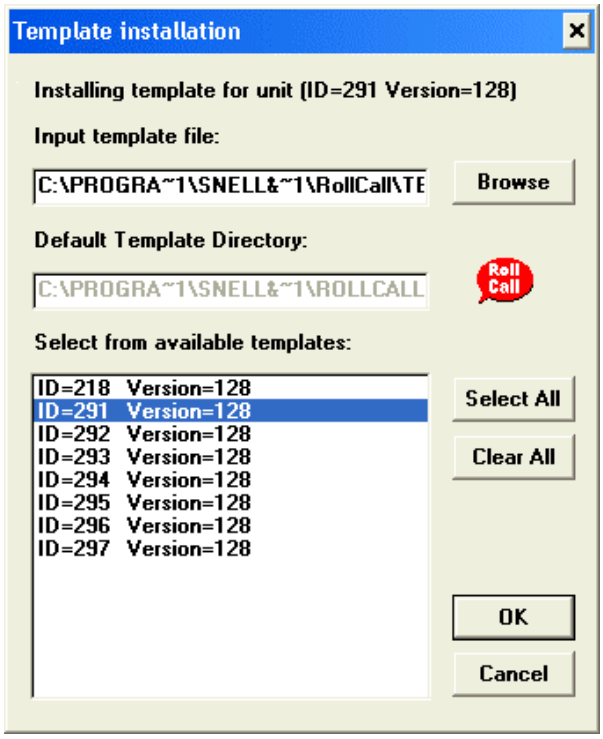


The user must then select the RollPod to be configured from the network browser dialog. Then Click OK.



After a successful download the RollPod will restart and after a few seconds the RollCall control panel will be launched.

The RollCall control panel will display a template installation dialog. Press “Select All” then OK to install the RollPod’s template.

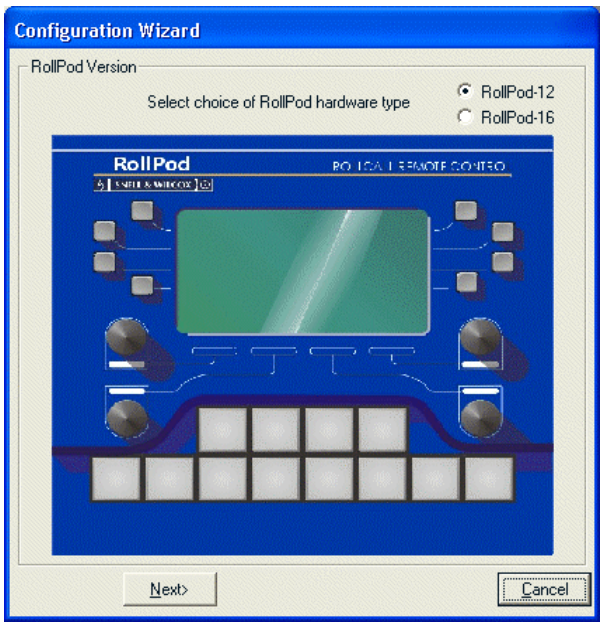


Now the configuration exists within the RollPod and either the RollPod or the template may be used to control the selected menu items.

Cycling the RollPod power will now run the new configuration.

Creating a Multi-Channel Configuration

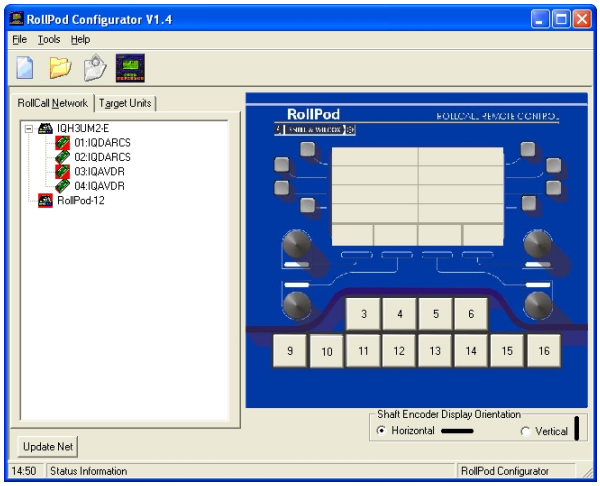
A multi-channel configuration is one in which several identical units or groups of units are controlled by a single RollPod. In this case an extra step is required to configure a Multi-Channel RollPod.



Select RollPod Variant

Select the appropriate variant of the RollPod hardware required to create the configuration using the Radio buttons in top right corner of GUI. Select either RollPod-12 or RollPod-16. The selected version will be displayed on the RollPod Configurator GUI. Click on Next.

Example: In this case the RollPod will be configured to control two channels, with each channel consisting of an aspect ratio converter and a video distribution amplifier.



Select Target Units

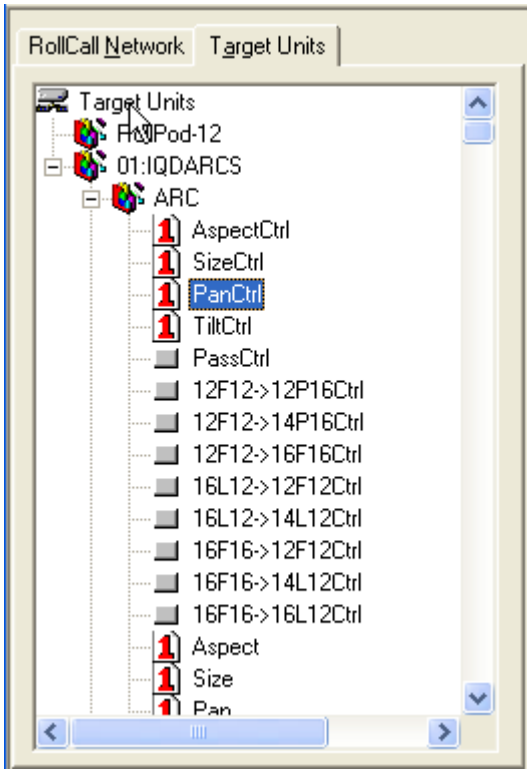
Select **one** of each unit (i.e. one ARC and one VDA) which is to be controlled and the RollPod to which the configuration is going to be downloaded. A single click will highlight the devices in red to indicate that they have been selected.

After selecting all the devices to be controlled, click on the Target Units tab.

This will display a tree view showing the servers you have selected.

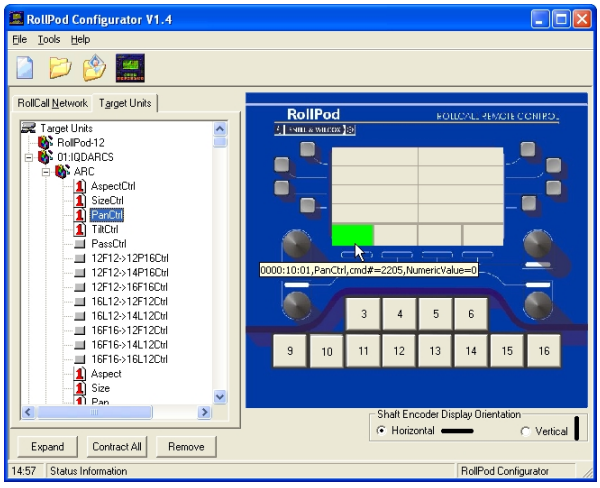
Double clicking on one of the devices will load its Menu set. The mouse pointer will appear as an hour glass whilst the loading is completing

Once loaded the menu set appears as nodes within the tree view.



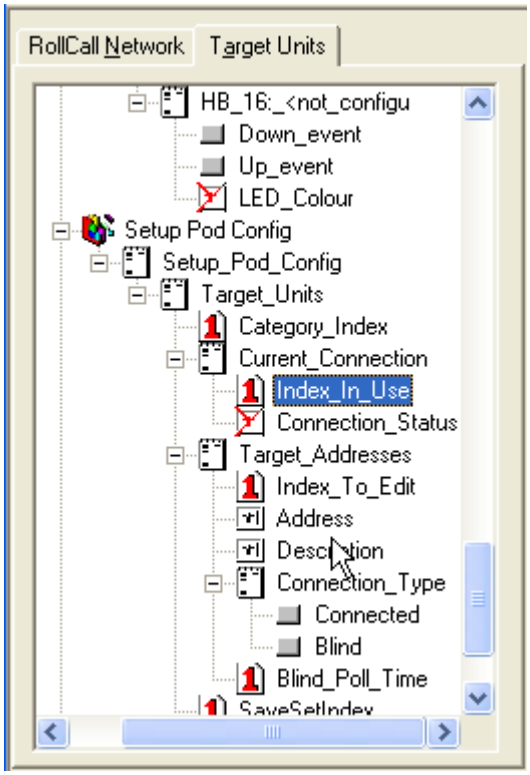
Select control parameters

As in the standard single channel configuration drag the item to be controlled from the Targets Units page onto the screen or button section of the RollPod display. If the menu item is compatible then the control it is dropped onto will highlight green.



Set up Target Address Index

From the Target Units tab expand the menu tree of the target RollPod. Under the Setup Pod Config menu drag and drop the Index_In_Use menu item onto a hard button, soft button or a shaft encoder. This control will be used to switch between target categories.

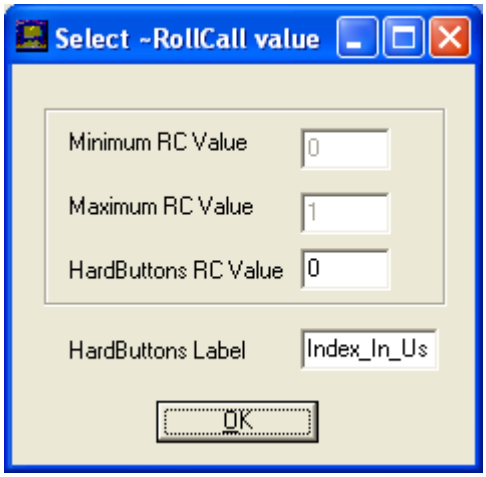


If using a shaft encoder for the category selection, drag and drop the Index_in_use menu item to a shaft encoder.

If using hard or soft buttons, individual buttons need to be setup for each target category.
In this case we have two target categories so we need to drag and drop two Index_in_use menu items onto two separate buttons.

When using a soft or hard button a dialog will appear when dropping the Index_in_use onto a button. The Hard Buttons RC value must be set to index the target category.

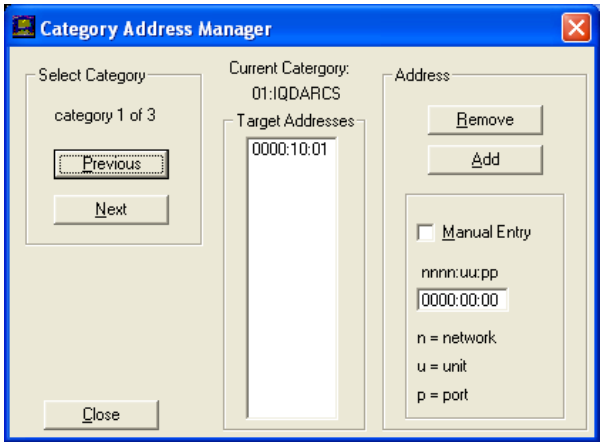
Our example requires two buttons, the first with a HardButtons RC Value of 0 (for the first target), the second with a HardButtons RC Value of 1 (for the second.)



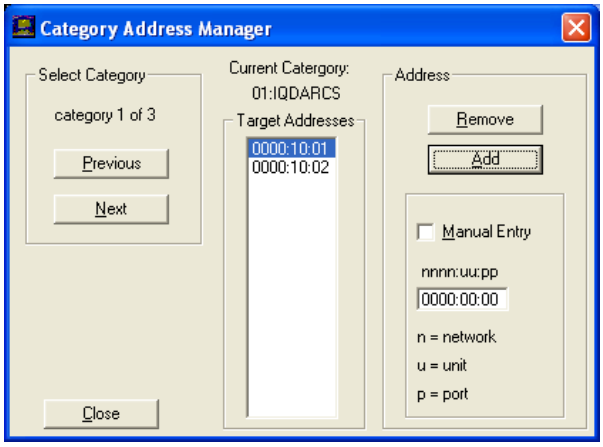
Set up Category Address manager

From the menu bar select Tools > Category Address Manager

In our example we have two channels, each consisting of an ARC and a VDA, so there will be three categories, one for the aspect ratio converters, one for the video distribution amplifiers and the last for the RollPod itself.



We now have to add the other identical units to each category. Category 1 refers to the ARC category so click on Add and use the RollCall browser to select the ARC of the other channel. The selected module will then appear in the category list. Repeat for the VDA.



The categories are now configured for multi-channel control.

After all categories have had their target addresses set click on the close button to close the dialog.

The multi-channel configuration is now complete. Compile and download the configuration to the RollPod as described earlier in the Standard Single Channel Configuration section.

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Manual Revision Record

Date	Version No.	Issue No.	Change	Comments
300502	1	1		First Issue not released
241002	1	2	Mods for software V 1.1	New manual issued
111102	1	3	Latest templates etc added	New manual issued
151104	1	4	For software V1.3 onwards	New manual issued
250505	1	5	For Software V1.4 onwards	New manual issued